



ABSTRACT

SEP 22 2003

A flame-retardant material is provided, comprising a polymer material having a flame retardant dispersed therein or immobilized on the surface thereof. The flame-retardant contains a non-metallic group expressed as N_xO_y (where, x and y are positive integers) and a group capable of generating water upon heating. The non-metallic group expressed as N_xO_y contains a compound selected from the group consisting of nitric acid compound, nitrous acid compound and hyponitrous acid compound. The flame retardant material of the present invention provides superior flame retardancy to materials formed with and/or containing the material of the present invention, while requiring only a relatively low amount of the flame retardant. Further, the flame-retardant material produces little combustion residue when substrates containing the flame-retardant material of the present invention are burned.